

Course Name: Comprehensive Nutrient Management Plan (CNMP) Training	
Course offered by: Sally Van Lieu and Betsy Dierberger	Course Number: MI0079

Overview:

This workshop covers the principles and components required in the development of a Comprehensive Nutrient Management Plan (CNMP).

Purpose:

The workshop will provide training to employees seeking certification as a Certified CNMP Specialist on the components of a Comprehensive Nutrient Management Plan (CNMP).

Prerequisites:

AgLearn courses:

1. **Conservation Planning Modules 1-5 (course number 000019)**
2. **Introduction to Water Quality (course number 000033)**
3. **Nutrient and Pest Management Considerations in Conservation Planning Modules 1-6, Tract 1 (course number 000083)**
4. **Agricultural Waste Management Systems - Level 2 (course number 000116)**
5. **Air Quality Resource Concerns (course number 000258)**
6. **Air Quality, Climate Change and Energy (course number 000253)**
7. **Cultural Resources Modules 1-6 (course number 000141)**

Duration:

4 days of class room and field exercises. Project assignments may take from 3-12 months.

Target Audience:

District Conservationists, Soil Conservation Technicians, and partner employees who develop conservation plans for livestock operations should attend.

Expected Outcomes:

Participants are expected to successfully complete a CNMP as part of the steps toward certification as a Certified CNMP Specialist.

Resources needed:

- The participant must have an assigned CNMP to develop for a landowner within their service area.
- Calculator

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Outline:

The course covers the laws and rules governing livestock facilities in Michigan. It illustrates typical components of animal waste management system for swine and dairy operations, and how manure is stored, treated, and transferred to crop fields. Manure utilization and nutrient management for field crops, including principles of soil sampling and manure testing, are also covered. Other topics covered include: proper dead animal and vet waste disposal; conservation practices used on fields where manure is applied; and principles of conservation planning.

Two sets of classroom sessions (two days/session) will include:

- Interactive lecture lead by instructors
- Report by participants on CNMP projects
- Classroom exercises with MARI, AWM and MMP
- Work sessions to allow participants to perform tasks

Field Exercise will include completing a headquarters inventory and evaluation.

Final includes turning in a completed CNMP for review and approval.